

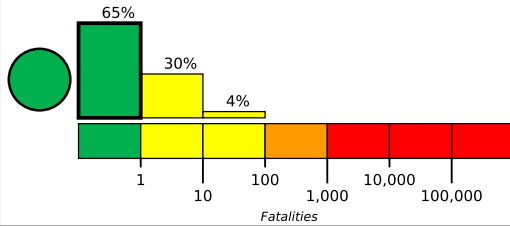
## M 5.7, 83 km SSE of Lethem, Guyana

Origin Time: 2021-01-31 19:05:15 UTC (Sun 15:05:15 local)

Location: 2.6443° N 59.6288° W Depth: 9.7 km

Created: 2 hours, 5 minutes after earthquake

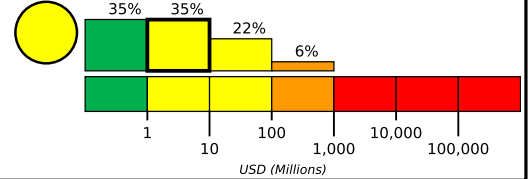
### Estimated Fatalities



Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of Guyana. Past events with this alert level have required a local or regional level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

### Estimated Economic Losses

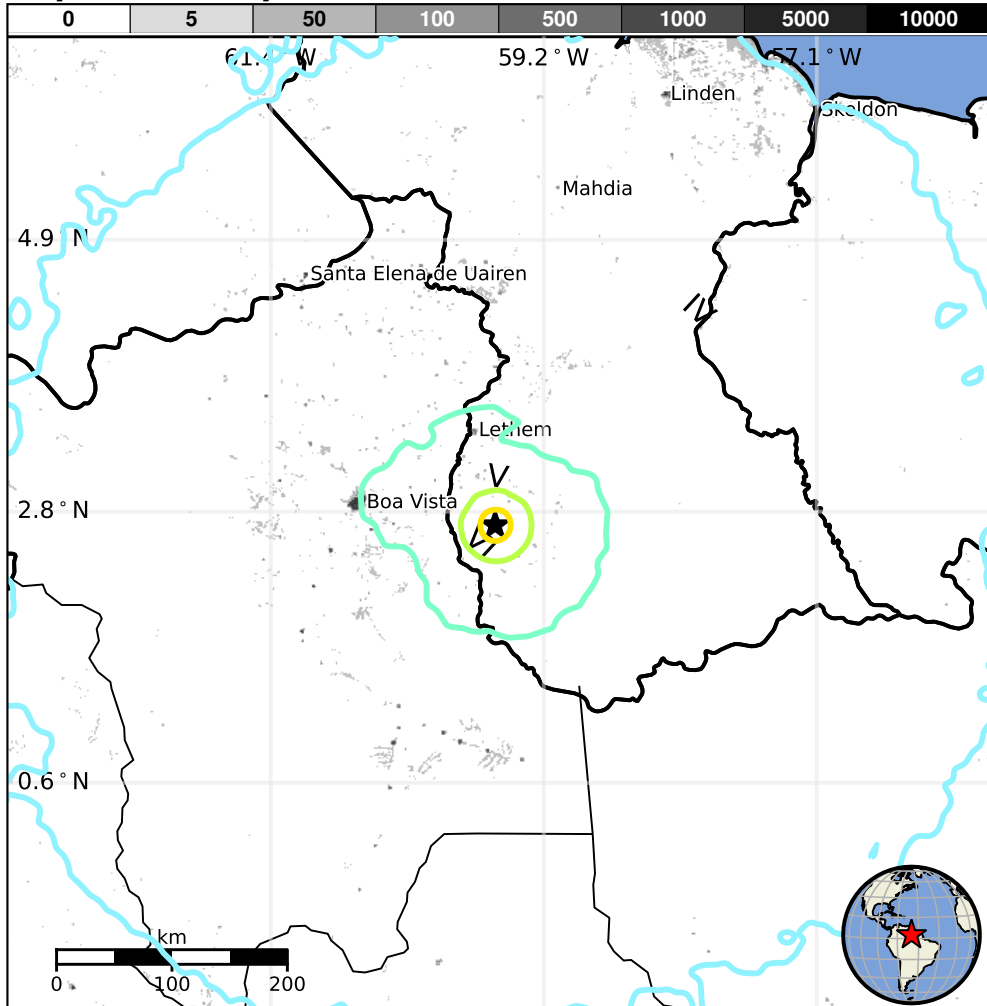


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	82k*	685k	94k	3k	1k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are mud wall and informal (metal, timber, GI etc.) construction.

### Historical Earthquakes

There were no earthquakes with significant population exposure to shaking within a 400 km radius of this event.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Lethem	1k
IV	Boa Vista	235k
IV	Mahdia	4k
IV	Santa Elena de Uairen	30k
IV	Linden	45k
IV	Bartica	11k
IV	Nieuw Nickerie	13k
IV	Fort Wellington	<1k
III	New Amsterdam	35k
III	Totness	2k
III	Barcelos	7k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000ddge#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000ddge